## Home Course In Modern Agriculture

V1.-How Plants Are Propagated By C. V. GREGORY

from year to year to raise crop gate the plants in some way gate the plants in some way
There are two principal ways o


PIG. XIII-TGE STOCK AND SCION RIEADY TO
BE UNITED.
method of selecting small grain is by
means of the fanning mill. By run ning through three or four times as
much seed as is needed all the smal grains may be sieved out and the ligh ones blown over, leaving only the
fest, strongest ones for planting. lest, strongest ones for planting.
Grain that is intended for seed sho
be stored carefully in order that it may go through the winter uninjured. The chlef enemies of stored sesd are mois-
ture, insects and rats and mice. The ture, insects and rats and mice. The
seed should be dry when stored and seed should be dry when stored and
kept where moisture cannot gain ac-
cess to it. Dry seed will stand almost any amount of freezing without injury There are a number of insects that
damage seed grain by burrowing into damage seed grain by burrowing into
the germ. If the seed room is tight, the germ. If the seed room is tight,
they may be killed by fumigating with carbon disulphide used at the rate of pound to each thousand cubic feet o
space. Place this in an open dish o space. Place this in an open dish on
top of the seed, close the room as tightly as possible, and in a few hour
the insects will be exterminated. Car should be taken not to go near th
room with a light, as the gas is ex plasive. This same treatment is also
fatal to rats fatal to rats and mice, unless they be so well built that these pests can not get into it
The second method of plant propagation is by division-that is, by plant-
ing parts of the plant itself. Potatoes ing parts of the plant itself. Potatoes
are propagated in this way almost en tirely. branches are stuck into the ground they will grow into trees. Apple and other fruit tr
by grafting may be raised from frust of seeding trees is usually wor
less. By less. By taling a part of the tree and

FIG. XII-sRCTION OF CHERRT BLOSSO
SHOWING MALE AND PRMNALE PARTS. clover the stamens are at the bottom
of a stender tube, from which they cannot escape unaided. Plants of th nature are depende one flower to an other. In order to attract these insects which colleets in the bottom of th tubes of ing it carry the pollen of one fower the stigma of another. Bees are most they gather so much more-or the The often carry home some of the pollen

growing another from it, it will, o
course, bear the same kind of frat.
Grafting consists of foining pleces Grafting consists of Joining pieces
of small branches or scions of the tree
which is

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| Better in His Life Than | sure-Restored to Health. | Jefferson, S. C., Jan. 28, 1905

| 16, ${ }^{\text {'07. }}$ | Drs. Thornton 4 Minor: |
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to their office and be cured, fo right
that and no you I never felt better in my life, not do my own work and it seemed had any of those troubles since you When cowould in a stream the bloo

 Suffered From Fistula-No Symp- Commercial Appeal, which is printed | $\begin{array}{cl}\text { Suffered From Fistula-No Symp- } \\ \text { toms of a Return of the Dis- }\end{array}$ | $\begin{array}{l}\text { in Menphis, Tenn. I wrote to them } \\ \text { and they answered me at once and I } \\ \text { ease After } 18 \text { Yeafs. }\end{array}$ |
| :---: | :--- |
| corresponded with them about ayear |  |
| before I went. The only thing I thate |  |

W ashington, D. C., April 22, 1904.
Drs. Thiornton \& Minor: before I went. The only, thing I Yate
is that I did not go sooner. They Drsentlemen-1 had suffered about wrote me that they had a branch office
in St. Louis, Mo., and could cur men three years with Fistual when friends
who had been sucesfluly tre I wrote them that In Kansas City, Mo.
19th of Septer start on the you advised me to go to you for 19 th of September and for them to
treatmént. I am happy to state that
meet me at St. Louis, Mo. So your treatment of my case was success
ful and in every way satisfaetory, and now, after a lapse of eighteen years,
there have been no symptoms of a re-
turn of the disease. I shall be grateful to the friends who advised me to
go to you for treatment, and can con
scientiously ed on the 19th of September and I ar-
rived at St. Louis, Mo., on the 22 d of
September. About an hour after I got there Dr. Minor met me and the, doc-
tors examined mee and told me that
my case was a serious one, but they my case was a serious one, but they
could cure me. J have had more pain
in in one artion of the bowels before
went there, than I had from the

## one. Verv truly your friend, U. N. IRWIN, U. Dept. of Agriculture

Suffered with Piles and Contrac could go three weeks and they said I was walking about could go home. I was walking about
all the time I was being treated. I ate
just anything I wanted. I could not all the time I was being treated. I ate
just anything I wante.. I could not
ask anybodv to be more kind to me tion for Twenty Years. When I came home I weighed one
hundred and forty pounds; when writing this testimonial I weighed one younger than am twenty-five years to be treated. Yours respectfully,
G. R. COOK,
General Merchandise
merchandise I take pleasure in endorsing all
that others say regarding the Thornthat others say regarding the Thorn-
ton \& Minor treatment. After 15
years of suffering from piles and ulceration I feel that four weeks at their
sanitarium has cured me. Enquiries


Editor Sylv
 fall and packed, in sand be The grafting
can be done at any time dring the tall and packed in sand.
can be done at any time during the
Winter. All that is necessary is to cut
the lower end of the scion and the apshown in Fig. 13. These are the
carefully ftted together and tied with point is to be sure to have the cam the stock. This cambium layer is $t$ thin, light brown portion between the
bark and the wood. It is the poin where growth takes place.
The completed graft, whith should be eight to ten inches long, is aga grafts are planted in a row in th garden and left until they are ransplanted to their permanont place in the orchard.
a Presbyterian Alliance Meeting. portant religious gatherings of recen years in the number of persons rep
esented is that of the world's Pres byterian allance, which has begun continents, ninety separate denomiu tons and nearly $25,000,000$ member the minth quinquennial council of the Alliance of the Reformed Churche Presbyterian System. To facilitat matters the Alliance is generally
ferred to as the Pan-Presbyterian

The meeting will last ten days, dur to the Protesta world will be discussed.

$$
\begin{aligned}
& \text { Staley, N. C., April 16, } 1907 . \\
& \text { Thormton \& Minor: } \\
& \text { ntlomon-T Guforod with nila }
\end{aligned}
$$ Gentlemen-I suffered with pile years, and, during that that was mended, but the piles gradually grev

worse. The fall of 1805 I went to you worse in St. Louis, Mo., for treatment
ond in three weeks I left for home
well man. One cann at make a mis cannst make a mis
heir case in the hand
on M Minor, as the
the highest type an
greatest honesty an


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